

Amended Specification Page 1 (Clean Form)

LIQUID STABLE MDI PREPOLYMERS AND LIQUID STABLE
CURATIVE SYSTEMS SUITABLE FOR ROOM TEMPERATURE CASTING WHICH
YIELD HIGH PERFORMANCE URETHANE ELASTOMERS

The present application is a division of US Serial No. 09/593,913.

BACKGROUND OF THE INVENTION

Field of the Invention

Liquid stable MDI prepolymers and liquid stable curative systems suitable for room temperature casting which yield high performance urethane elastomers.

5 Prior Art

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A search of the prior art showed many prepolymers and many curatives, none of which were specifically adapted to room temperature casting for the production of high-performance urethane elastomers, especially such elastomers which have remarkable low-shrink characteristics, wherein both the prepolymer and the curative are liquid or semi-liquid and stable at room temperature, and wherein the curing can also be effected at room temperature, and much less with systems which are totally free of TDI and which rely solely on MDI as the isocyanate-providing ingredient of the prepolymer.

OBJECTS OF THE INVENTION

15 It is an object of the present invention to provide liquid stable MDI prepolymers and liquid stable curative systems which are specifically adapted for room temperature casting and which yield high performance urethane elastomers upon room-temperature curing, the elastomer itself, as well as commercial combinations of